

APPENDIX D: CALIBRATION AND MAINTENANCE OF THE QIAGEN® B IOROBOT™ 9604	Page 1 of 1
QIAGEN® BIOROBOT™ 9604 PROCEDURE MANUAL - FORENSIC BIOLOGY SECTION PROCEDURE MANUAL, SECTION V	Issue No. : 3
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<p>APPENDIX D: CALIBRATION AND MAINTENANCE OF THE QIAGEN® BIOROBOT™ 9604</p> <p>1 Flush System (As needed) –when build up is noted in the lines:</p> <p>Flush the system (not the dilutors) with 20-50 mL of 70% Ethanol and then distilled water (20-50mL) to remove any potential build up in the tubing. In the execute environment, click on the shower head icon. Make sure that the peristaltic pump and the desired volume have been selected.</p> <p>2 The peristaltic pump tubing (as needed):</p> <p>In the execute environment, click on the header button located to the left of the “Run” button. Select Accessory applications and then select High speed pipetting (weekly) Select run and follow the directions of the protocol (may need to repeat)</p> <p>To correct for any inaccuracies close the execute environment and open Setup (password: user). Go to Utilities and select pipetting system calibration Enter the value that was measured in the high speed test and select okay, this will adjust for any minor inaccuracies (50-100uL)</p> <p>If the values are off by much more than 100uL replace the tubing</p> <p>** Record date of check and if tubing was replaced in the log book</p> <p>3 Dilutors/Syringes (monthly):</p> <p>The dilutors will be qualitatively checked monthly and replaced as needed. The tightness of the plunger fit as well as wear on the plunger head will be evaluated.</p> <p>** Record date of test and initials of the person performing the evaluation in the logbook. Also note the number of the probe if it is necessary for a dilutor to be changed.</p> <p>After the dilutors have been checked or replaced, flush the system using the shower icon and the following parameters:</p> <ul style="list-style-type: none"> • Peristaltic pump 50 mL • Dilutors 15 strokes <p>4 Clean up old files (monthly):</p> <p>Delete message logs from previous month. Click on the DNA Data icon on the desktop. Determine which files can be deleted by verifying against the date processed log (worksheet QB-2 ROBOTUSELOG).</p> <p>NOTE: If the Thermostat system or Vacuum System fails call Qiagen’s technical service at 1-800-426-8157 (800-DNA-PREP.</p> <p style="text-align: right;">◆END</p>	